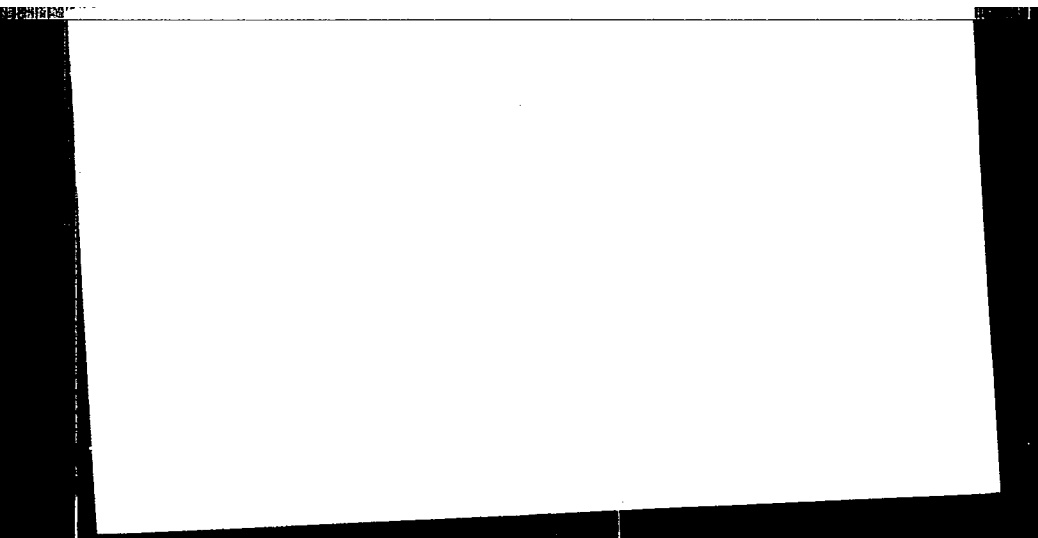


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MT-24-419-69

*negative
17 Oct 69*

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3. Tolpogin, M. S.
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*Diseases, Growth, *Cancer, Diagnosis, *X-rays,
*Etiology.

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- II. National Institutes of Health, Bethesda, Md.

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DESCRIPTORS: *Geophysics, *Gravity, Gravity
anomalies, Gravimeters, Measurement, Analysis,
Geology.

(Earth Sciences--Geodesy, TT, v. 11, no. 9)

TT-64-13367

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Henry Tomas, tr. Sep 63 [19p] 11 refs ACIC TC-695.
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DESCRIPTORS: *Gravity, *Maps, Gravity anomalies,
Geology, Analysis.

(Earth Sciences--Geodesy, TT, v. 11, no. 9)

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Apr 63 [11]p. 4 refs. DSIS T 384 R.
Order from NRCC

NRCC C-4393

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M[agnetizma] i [ionosfery i] R[asprostraneniya Radio-]
voln. Trudy, 1961, no. 19(29) p. 31-43.

DESCRIPTORS: *Ionospheric disturbances, *Magnetic
storms, Radiofrequency interference, Distribution,
Ionosphere, Maps, Graphic analysis, Geography.

(Earth Sciences--Atmosphere, TT, v. 10, no. 3)

1. Title: F2 layer
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SLA 60-13807

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Sci - Electron, Phys
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Sci - Earth Sci & Astron
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of the Sky, by P. N. Boyko, 17 pp.

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icheskiy Institut, Vol 3, 1962, pp 149-162.

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FTD-MT-24-279-67

Sci/Phys
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TT-64-13749

Stamov, D. G.

THE SPECIAL IMPORTANCE OF THE POLARIM-
ETRIC METHOD OF DETERMINING AND STUDYING
THE TURBIDITY OF THE EARTH ATMOSPHERE AS
COMPARED TO ACTINOMETRIC AND DISPHAN-
OSCOPIC METHODS (Osoboe Znachenie Polyarimetri-
cheskogo Metoda Opredeleniya i Izucheniya Mutnosti
Zemnoi Atmosfery v Sravnenii s Aktinometricheskimi i
Diafanoskopicheskimi Metodami)

B. Goertz, tr. Feb 64, 9p 8refs

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p. 163-170. (Abstract available)

DESCRIPTORS: *Atmosphere, Optical properties,
Light, Polarization, Optical analysis.

(Earth Sciences--Atmosphere, TT, v. 11, no. 10)(over)

I. Stamov, D. G.

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Colo.

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NIUM. [1962] 7p. 36 refs.
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v. 6, p. 178-183.

DESCRIPTORS: *Germanium, *Electrochemistry,
Germanium alloys, Electrolysis, Chemical reactions,
Electrodes, Semiconductors.

(Chemistry--Physical, TT, v. 8, no. 7)

62-10616

I. Nigmatova, R. Sh.

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Investigation of Mechanism of Catalytic Reduction of Nitrobenzene and Certain of its Derivatives, by V. P. Simonina, D. V. Sokol'skiy
23 pp.

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SLA 60-23174

Sci - Biology
Sept 60

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SUSPENSIONS [DRILLING MUDS] BY THE SODIUM
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8p.

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61-22384

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Stabilization
2. Carboxymethylcellulose--
Applications
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Services, Inc., East
Orange, N. J.

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(Chemistry--Physical, TT, v. 3, no. 12)

Zhernovoi, A. I. and Latyshev, G. D.
FREQUENCY DEPENDENCE OF A NUCLEAR PARA-
MAGNETIC MASER ON ITS PARAMETERS
B. W. Kuvshinov, tr. 23 Sep 63, 9p 9refs
APL/JHU TG 230-T401.
Contract N0w62-0604-c
Order from OTS \$0.50

TT-63-11737

Trans. of Akad[emiya] Nauk Kaz[akhskoi] SSR [Alma-
Ata]. Inst[itut] Yadernoi Fiziki, Trudy, 1962, v. 5,
p. 111-116. (Abstract available)

DESCRIPTORS: *Masers, *Nuclear resonance, *Para-
magnetic resonance, Circuits, Oscillation, Excitation,
*Measuring devices (Electrical and electronic), Errors.

Presentation is made of the expression obtained for the
dependence of the frequency of oscillations excited in a
radio-frequency circuit by radiation relaxation of
(Physics, TT, v. 11, no. 6) (over)

TT-63-11737

- I. Zhernovoi, A. I.
- II. Latyshev, G. D.
- III. APL/JHU-TG-230-T401
- IV. Applied Physics Lab.,
John Hopkins U.,
Silver Spring, Md.
- V. Contract N0w62-0604-c

Office of Technical Services

Discovery of Ticks of the Species Haemaphysalis
Concinna Koch Naturally Infected with Tularemia
Bacteria, by N.G. Olsuf'ev. V.G. Petrov.
RUSSIAN, per Akad. Nauk. Kazakhskoi SSSR Inst. Zoology.
Trudy, 1960, pp 54-56
NRC/C-5380

Sci -
Aug 67

339-710

Yakumin, M. P.
SPIROCHAETES OF WILD BIRDS: PARASITES OF WILD
ANIMALS OF KAZAKHSTAN. [1964] [10p] 15refs
NAMRU Trans. 97(T97).
Order from OTS, SLA, or ETC \$1.10 TT-64-15636

Trans. of Akad[em]i[al] Nauk Kazakhst[an] SSR.
[Alma-Ata] Inst[itu]t Zool[og]i[cal] (Trudy)
1962, v. 16, p. 15-22.

(Biological Sciences--Zoology, TT, v. 12, no. 3)

TT-64-15636

- I. Yakumin, M. P.
- II. Title: Parasites...
- III. NAMRU-Trans-97
- IV. Naval Medical Research
Unit No. 3, Cairo
(Egypt)

Office of Technical Services

Biting Activity of the Mite Ornithodoros
Papillipes Bir., 1895, in Caves. Wildlife
Parasites of Khazakstan, by V. N. Kusov.
RUSSIAN, per, Akad. Nauk Kaz. SSR. Inst. Zool.
Trudy, Vol 22, 1964, pp 150-160.
NRC/Ref: C-5350

Sci -
Aug 67

334,949

S-1076/63

Pathogenic Effect of Small and Average Doses of
Gamma-Rays on the Progeny of Irradiated Insects,
by V. Ya. Podolyan. IY-7920

TRUDY
RUSSIAN, per, Akad Nauk Kazakh SSR, Trudy Instituta
Zoologii, Parazity Dikikh Zhivotnykh Kazakh, Vol XIX,
1963, pp 220-225.

*JPRS

Sci - Med

Nov 63

Optical Absorption Characteristics of Some
Plant Species in the Infra-Red Sector of the
Spectrum, by M. Perevertun.

RUSSIAN, per, ~~AKKH~~ Trudy, Ak. Nauk Kazakhskoi
SSR, Sektor Astrobotaniki, Vol VIII, 1960,
pp 59-64.

CSIRO/No 5845

Sci-Biol
May 63

~~132,122~~
232,122

Kudakova, R. V.
ON STABILITY IN A FINITE INTERVAL OF TIME.
[1961] 8p. 3 refs.
Order from OTS or SLA \$1.10

61-20047

Trans. from Akademiya Nauk Kazakhskoi SSR, ~~Almaty~~
~~Ata. Sektor Matematiki i Mekhaniki. (Trudy)~~ (USSR)
1958, v. 1.

DESCRIPTORS: *Time, Stability, Analysis, *Differential equations, Real variables.

Consideration is given to a system of differential equations: $x_s = X_s(t, x_1, x_2, \dots, x_n)$, ($s=1, 2, \dots, n$) where the right hand sides are assumed to be such that through every point of the domain (H): $T_1 \leq t \leq T_2$, $|x_s| \leq h$ ($T_1 \neq T_2$, $h \neq 0$) there passes a unique solution. Assume that $X_s(t, x_1, \dots, x_n)$ is (Physics, TT, v. 7, no. 6) (over)

61-20047

I. Kudakova, R. V.

Office of Technical Services

On the Nonlinear Flutter of a Plate
Fixed Along Its Perimeter, by
B. P. Makarov, 8 pp.
RUSSIAN, bk, Trudy. AN SSSR. Kazanskiy'
Filial Kazanskiy Gosudarstvennyy
Universitet. Trudy Konferentsii Po
Teorii Plastin i Obolochek, 1961,
pp 220-225
P100207368-V
FTD-HT-67-217

Sci/Aero
Sep 68

364.245

Results of Geophysical Works in Research
in Plutonic Geology Connected with the
Problem of Oil Contents in Certain
Regions of Ukrainian SSR, by V. S.
Zavistovskii, 32 pp.
RUSSIAN, per, Trudy, Akademiya Nauk
USSR, Kiev. Institut Geologicheskikh
Nauk, Vol 12, 1939, pp 163-178.
OTS TT-64-19741

Aug 67
Sci

336,286

Denisov, P. V. and Belova, O. I.
ABOUT THE METHOD OF DETERMINATION OF
CHLORIDES IN SUGAR SOLUTIONS. [1963] 14p.
(figs. omitted) 3 refs.
Order from OTS or SLA \$1.60 63-16352

Trans. of A[ka]demiya N[auk] Kirgiz[skoi] SSR
[Frunze], Inst[in] Khim[ii]. Trudy, 1956 [v. 7]
p. 69-77.

DESCRIPTORS: *Chlorides, *Carbohydrates, Solutions,
Titration, Chemical analysis.

(Chemistry--Analytical, TT, v. 10, no. 9)

63-16352

I. Denisov, P. V.
II. Belova, O. I.

Office of Technical Services

Materials on the Biology of Haemaphysalis War-
burtoni Nutt., 1912, in Conditions of Kir-
ghizia, by S. K. Sartbayev, 10 pp.

RUSSIAN; per, Trudy Ak Nauk Kirghiz SSSR, Inst
Zool Parasit, 1955, pp 121-127.
No 4

NIH 3-41

Sci - Biol

Apr 59

85,422

Ixodid of Issyk-kul Oblast in Kirgiz SSR,
by R. V. Grebenyuk,
RUSSIAN, per, Trudy Ak Nauk Kirgizskoy SSR,
Frunze Inst Zool i Parazitologii, No 4, 1955,
pp 79-87.
CFSTI TT 66-61187

Sci-B&M
Jun 67

326,948

Study of the Possible Role of Ixodid Ticks
as Reservoirs and Vectors of Plague Microbes,
by R. V. Grebenyuk, L. N. Kiselevsky, S. K.
Sartbayev, E. A. Schwartz, P. A. Polulyakh,
11 pp.
RUSSIAN, per, Trudy Ak Nauk Kirgizskoy SSR,
Frunze, Institut Zoologii i Parazitologii,
No 5, 1956, pp 121-127.
CFRRI TT-66-60944

324,348

Sci - Biol & Med
Apr 67

Antibiotic Effect of Certain Penicillium
Fungi on Staphylococcus in Vitro and in
Vivo, by A. Z. Joffe, A. Jackevichius,
RUSSIAN, per, Ak Nauk Kitovskoi SSR,
Inst Eksperimentalnoi Meditsiny, Trudy,
Vol III/IV, 1958, pp 185-192.
CFSTI TT 65-50109

Sci-B*M
Jun 67

327,988

TT-64-11074

Popov, V. V., ed.
LOESS OF NORTHERN CHINA (Lessy Severnogo
Klitsaya) A. Gourevitch, tr. 1964, 134p 72refs PL-480
Agr.
Order from OTS \$1.50

TT-64-11074

Trans. of Akademii Nauk SSSR. Komissiya po
Izucheniyu Chetverdnchogo Perioda. (Trudy) 1959, v. 14
[p. 1-128].

For table of contents see the "Periodicals Translated
Cover-to-Cover" section of this issue.

(Earth Sciences--Geology, TT, v. 12, no. 4)

I. Popov, V. V.
II. PL-480-Agr
(TT-64-11074)
III. National Science
Foundation,
Washington, D. C.
IV. PL-480-PST-1144

Office of Technical Services

The Spore-Pollen Complexes in Cretaceous
Deposits of the Suchan Coal Basin,
by Z. I. Verbitskaya, 16 pp.

RUSSIAN, per, Trudy Ak Nauk SSSR,
Lab Geol Ugl'ya, Vol VIII, 1958,
pp 314-322.

ATS-76M39R

Sci
Vol IV, No 2
Mar 62

Present Day Views on the Structure of Cellulose
and Cell Walls of Plants, by P. H. Osintsev.

RUSSIAN, per, Trudy Ak Nauk Latvyskoy SSR,
Vol XII, 1957, pp 5-24.

NLL M. 2594

Sci - Biol

Dec 61

174,978

Electron Paramagnetic Resonance of Certain Color
Centers in Alkali-Halide Crystals, by
A.A. Bugay, M.A. Ruban, et al. 10 pp.
RUSSIAN, rpt, Trudy AN LAT Gosudarstvennyy
Universitet, im P. Stuchki. Fizika Shcheloch-
nogaloidnykh Kristallov. II Vsesoyuznogo
Soveshchaniya, Riga 19-24 June 1961, 1962,
pp 432-436. P100288967
FTD-HT-66-424

Sci/Physics
Nov 67

343,317

Privlechenie Poleznykh Ptits-Durlognezdnikov v
Lesakh Latvyskoi SSR. Ornitologicheskie
Issledovaniya, 248 pp.

RUSSIAN, per, Trudy Ak Nauk Latvyskoy SSR, Institut
Biologii,

Dept of Interior
Q1690 13A32

Sci - Biol
17 Feb 61

On the Possibility of Accelerated Information
Exchange Between Memory Units, by
A. I. Dolgov, Yu. P. Zhuravlev,
RUSSIAN, rpt. Trudy Akademii Nauk SSSR, Inst
Elektroniki i Vychislitel'noy Tekhniki, Vol
IX, 1963, pp 211-218.
*FTD-MT-67-2

Sci-Electr
Aug 67

RUSSIAN, per, Trudy ~~INEL AK NARR LALVLY GALT ANNO~~
Energet, No 12, 1961, pp 23-48.
FTD-TT-65-118

Sci - Elec
Feb 65

Edge Effects in Linear Induction Pumps,
by L. Ya. Ulmanis, 15 pp.
RUSSIAN, per, AN LATSSR. Institut Fiziki.
Trudy, No 8, 1956, pp 81-94.
P100014868
FTD-HT-67-469

Sci-Physics
Feb 68

350,616

The Stability and Evolution of Magnetohydro-
dynamics, by V. I. Karpman, 8 pp.
RUSSIAN, per. AN LatSSR. Institut Fiziki.
Trudy. Vol 4, 1964. pp 15-22. F100070168-V
FTD-MR-24-182-67

Sci-Phys
May 68

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Minerals Soluble With Difficulty and Organic
Substances as a Source of Nutrition for Mycorrhizal
Fungi, by A. K. Eglite.

RUSSIAN, per, Trudy Ak Nauk Latvinskoy SSSR Inst
Mikrobiol, Vol VII, 1958, pp 67-75.

*PL-480
OTS 63-11006

PST-668
Sci
Jan 63

Experimental Investigation of the Effect of a
Transverse Magnetic Field on Velocity Distribution
in a Mercury Flow, by G. G. Brenover, I. M. Kirko,
et al, 8 pp.

RUSSIAN, per. Trudy Inst Fiz, Ak Nauk Latvyskoy
SSR, Prik Magnitogidrodinamika, No 12, 1961,
pp 167-175. ~~22~~ 9683264

FTD-TT-62-1827

Sci-Phys
Jun 63

234,559

Swelling of Wood, by P. N. Odintsov.

RUSSIAN, per, Trudy Ak Nauk Latvyskoy SSR,
Iesokhov. Prob, No 12, 1957, pp 45-56.

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CPL 480

Foreign Sv.

OTS 62-11024

Sci- *Bial*
Apr 51

63-17175

Gromov, V. S. and Odintsov, P. N.
THE HYDROTROPIC PULPING OF ASPEN WOOD AND
THE EFFECT OF VARIOUS FACTORS ON IT.

[1963] 16p.

Order from ATS \$21.50

ATS-18Q68R

Trans. of Akad[emiya] Nauk Latv[iiskoi] SSR [Riga]-
Institut Lesokhoz[ajstvennykh] Probl[em] i Khim[i]
Drevesiny. Tr[udy] 1957, v. 12, p. 79-90.

DESCRIPTORS: *Wood pulp, Water, Processing, Wood.

(Materials--Wood, TT, v. 10, no. 1)

- I. Gromov, V. S.
- II. Odintsov, P. N.
- III. ATS-18Q68R
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Gromov, V. S. and Odintsov, P. N.
CERTAIN CHARACTERISTICS OF THE HYDROTROPIC
METHOD OF PRODUCING PULP AND WAYS OF IM-
PROVING IT. [1963] 11p.
Order from ATS \$17.25 ATS-17Q68R

Trans. of Akad[emiya] Nauk Latv[iiskoi] SSR [Riga].
Inst[itut] Lesokhoz[yaisvennykh] Probl[em] i
Khim[i] Drevesiny. V[izudy] 1959, v. 17, p. 93-103.

DESCRIPTORS: *Wood pulp, Water, Processing.

(Materials--Wood, TT, v. 10, no. 1)

63-17151

- I. Gromov, V. S.
- II. Odintsov, P. N.
- III. ATS-17Q68R
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

60-51162

Gromov, V. S. and Odintsov, P. N.
THE FRACTIONAL COMPOSITION AND PROPERTIES OF LIGNIN OBTAINED FROM HARDWOOD BY THE HYDROTROPIC METHOD (Izuchenie Fraktsionnogo Sostava i Svoistv Lignina, Vydennogo iz Listvennoi Drevesiny Gidrotropnym Metodom). 1960, 14p. 20 refs. PL-480 Agr.
Order from OTS \$0.50

60-51162

Trans. of Akademiya Nauk Latvii SSR [Riga].
Institut Lesokhozyaistvennykh Problem. Trudy, 1957
[v. 12] p. 91-100.

DESCRIPTORS: *Lignin, Separation, Fractionation,
Solubility, Physical properties, Chemical properties,
*Wood, Boiling, Precipitation.

(Materials--Wood, TT, v. 7, no. 8)

- I. Gromov, V. S.
- II. Odintsov, P. N.
- III. PL-480 Agr (60-51162)
- IV. National Science Foundation,
Washington, D. C.

Office of Technical Services

Gromov, V. S. and Odintsov, P. N.
THE FRACTIONAL COMPOSITION AND PROPERTIES OF LIGNIN OBTAINED FROM HARDWOOD BY THE HYDROTROPIC METHOD (Izuchenie Fraktsionnogo Sostava i Svoistv Lignina, Vydelennogo iz Listvennoi Drevesiny Gidrotropnym Metodom). 1960, 14p. 20 refs. PL-480 Agr.
Order from OTS \$0.50

60-51162

Trans. of Akademiya Nauk Latviskoi SSR [Riga].
Institut Lesokhozyaistvennykh Proble'm. Trudy, 1957
[v. 12] p. 91-100.

DESCRIPTORS: *Lignin, Separation, Fractionation,
Solubility, Physical properties, Chemical properties,
*Wood, Boiling, Precipitation.

(Materials--Wood, TT, v. 7, no. 8)

60-51162

- I. Gromov, V. S.
- II. Odintsov, P. N.
- III. PL-480 Agr (60-51162)
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Washington, D. C.

201503

Office of Technical Services

61-20834

I. Gromov, V. S.

SLA 1764-10585

Gromov, V. S.
THE INFLUENCE OF SOME SALTS UPON THE
PROCESS OF WOOD DELIGNIFICATION (K Voprosu o
Vliyaniy Nekotorykh Solei na Protsessy Delignifikatsii
Drevesiny). [1961] [29]p. (foreign text included) 11 refs.
Order from OTS or SLA \$2.60 61-20834

Trans. of Akad[emiya] Nauk Latv[vijskoi] SSR, Riga.
Institut Lesokhozyaistvennykh Problem i Khimii
Drevesiny. Trudy, 1959, v. 17, p. 105-114.

DESCRIPTORS: *Wood, *Lignin, Carbohydrates,
Solubility, Salts, Cellulose, Separation.

The addition of Na_2SO_4 to the hydrotropic solution (that
is a concentrated solution of Na xylenesulfonate) causes
a slowing down of the hydrolytic processes in the
hydrotropic pulping and some deceleration of the proc-
ess of delignification. Yet the introduction of Na_2SO_4 in
amounts of up to 3.5 by weight of the original wood
(Materials--Wood, TT, v. 9, no. 11) (over)

Office of Technical Services

Semechkina, A. F. and Shorygina, N. N.
THE STRUCTURE OF LIGNIN. Dec 62 [5]p. 17 refs.
FPRB Trans. No. 156.
Order from NRCC

NRCC C-4462

Trans. of [Akademiya Nauk Latvialsoi SSR, Riga.
Institut Lesokhozyaystvennykh Problem i Khimii
Drevesiny, Trudy] 1960, v. 19, p. 65-70.

DESCRIPTORS: *Lignin, Decomposition, Sodium
compounds, Ammonia, Phenols, Chemical analysis,
Paper chromatography, *Molecular structure,
Chemical bonds, Stereochemistry.

(Chemistry--Organic, TT, v. 10, no. 6)

63-17844

- I. Semechkina, A. F.
- II. Shorygina, N. N.
- III. FPRB Trans-156
- IV. NRCC C-4462
- V. Forest Products Research
Branch (Canada)
- VI. Bureau of Translations
(Canada)

Office of Technical Services

Preservative Properties of Lignosulphonic
Acids, by A. Kalnin'sh. N. Murashtchenko,

RUSSIAN, Trudy. Ak. Nauk SSSR, Inst. Lesokh. I
Khim. Drev., Vol. XIX, pp 201-206, 1960.

CSIRO/No 6071

Sci-Chem
May 63

232,164